University of Wisconsin Academic Record

Thomas Lee Elifritz
Madison Wisconsin

My university career ended with only 64 credits towards a Bachelor of Science degree in Applied Mathematics, Engineering and Physics within the College of Letters and Science at the University of Wisconsin in Madison, Wisconsin. This included a foreign language, humanities requirements, mathematics through calculus and linear algebra with honors, basic physics and chemistry, and engineering physics through mechanics of materials.

I later made some halfhearted attempts to restart it several times, but I had discovered my inclination for self-study, and I had rapidly specialized into abstract mathematics at an early period in my career, so I considered these fundamentals adequate for my purposes.

The factors that led to your poor academic performance

In retrospect, some of the factors for poor performance was a profound misunderstanding of many university administrative procedures, the burdens of daily household and family obligations and commuting distance; often from the county line, occasionally hitchhiking. Finally it was the ultimate lack of any career expectations, or likelihood of career success.

These problems persist to this day, as evidenced by my complete neglect to adequately research the requirements for readmission from dropped status, to complete preparatory interviews, obtain career advising and counseling, procure a copy of my UW transcripts, prepare a putative course of action and write this readmission statement prior to my visit.

How these factors have been addressed and why you believe you have a realistic chance of succeeding academically

As described, these issues have not yet been fully resolved, and so I still don't consider myself a likely successful degree candidate at the University of Wisconsin at Madison. However, I envision a time in the very near future where I will be unencumbered by the problems which have held me back in the past, and that I will very likely have the time and the resources with which to again resume a much slower paced B.S. degree attempt.

How your work or educational experiences since leaving the University of Wisconsin-Madison might contribute to your future academic success

My university experience did not end in 1986. Had I known about the Wisconsin Idea back then, I would have agreed that the university now extends to the borders of my life. It has always been that way. It will always be that way with me - sifting and winnowing.

The period of 1980 until 1986 was a period of intense library self study, punctuated with brutal hard labor in the tropics, while running my own research laboratory and production facilities in Wisconsin. So even while I was dropping classes, withdrawing from studies

and ultimately expelled from the university, I was still actively developing a fundamental understanding of the abstract information and knowledge based analyses I still use today, in my now much expanded and ever growing repertoire of modern scientific methods. More importantly, I was also implementing and testing my results experimentally in both the laboratory and the field. 1985 culminated with the writing of my mathematical thesis *The Geometry of Information,* which also eventually led me to the work of James J. Kay.

1986 was a lost year, but soon thereafter I obtained a software engineering position at a local telecommunications firm, where I promised them only a single year of dedication. That year was extremely successful for me, and necessarily introduced me to solid state and condensed matter physics during the years of 'high temperature superconductivity'. Later in 1988 after leaving Amtelco, I was introduced to the physics of global warming. When I was presented with the opportunity to live on my island full time, and work at the prestigious NOAA research center CMRC part time in the Bahamas, naturally I accepted. By applying all the aspects of my then maturing perspective on reality directly to my then chosen problems of study, I published my chemical hypothesis entitled *On the Nature of Bismuth (I) Iodide in the Solid State* in 1994. After presenting this work at conferences, and an abortive attempt to engage the NHMFL, I brought that period of my life to a close.

I then entered a seven-year period of political exile on a smaller one-acre desert island. During this period I won a Supreme Court ruling in the Commonwealth of the Bahamas, and obtained a $100,000 settlement for my mother, providing five more years of respite. I then weathered several category 3 and 4 hurricanes, built a full boat yard and brought my island structures up to what I considered to be fairly good category 5 hurricane standards. Many of my ideas on advanced rocketry and space colonization were fully refined there.

At the end of the hurricane season in 2005 and upon hearing of the Constellation project, I returned to the United States full time to care for my elderly and ailing mother, and then I immediately set upon my own two year ESAS study to develop a launch vehicle design. My approach to launch vehicle commercialization was then published as a NASA COTS proposal in November of 2007, at which time I also began witnessing the full maturation of the closed cycle approach to the theoretical and experimental spectroscopy of the high temperature superconductors, something which we predicted would eventually occur as the technological finesse in lasers and experimental resolution reached critical thresholds. With my interest in advanced lasers piqued, I naturally took the opportunity to sit in on Wisconsin Institute of Discovery meetings, and published my views as a WID proposal.

Your plans for returning to school and completing your degree, including a list of the courses you plan enrolling in for the upcoming semester

Computer Science 302 – Object Oriented C++ - for the Orbiter Space Flight Simulator.

How you expect to resolve your grade point average deficiencies

Even with the numerous administrative Fs on my record, my GPA is just below the level of 2.75 required for AMEP. Obviously I'll need to keep that grade point above that level.